

ABSTRACT

An infrared and ultraviolet absorbing soda-lime-silica glass of a neutral tint containing 0.3% to 0.7% by weight total iron expressed as Fe_2O_3 , together with amounts of Se, Co_3O_4 and a ferrous iron content to provide a ratio of ferrous iron to total iron in the range of 21 to 34. NiO
5 and TiO_2 may be added to the glass. The resultant glass, in a nominal 4mm thickness, has a visible light transmission of at least 70% and a direct solar heat transmission at least 12 percentage points below the visible light transmission. The iron in the glass is preferably provided by the inclusion of the mineral wuestite in the glass batch formulation.